

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
7 October 2004 (07.10.2004)

PCT

(10) International Publication Number
WO 2004/086543 A3

(51) International Patent Classification⁷: H01M 8/02, B23K 11/00, 20/00, B29C 65/44, 65/64, C09J 5/06, C25B 9/00

(21) International Application Number:
PCT/CA2004/000441

(22) International Filing Date: 24 March 2004 (24.03.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/457,280 25 March 2003 (25.03.2003) US

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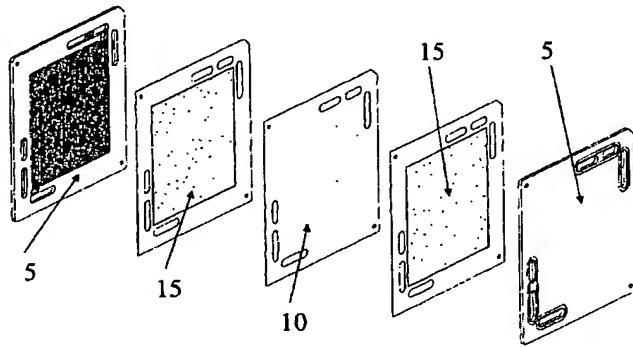
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,

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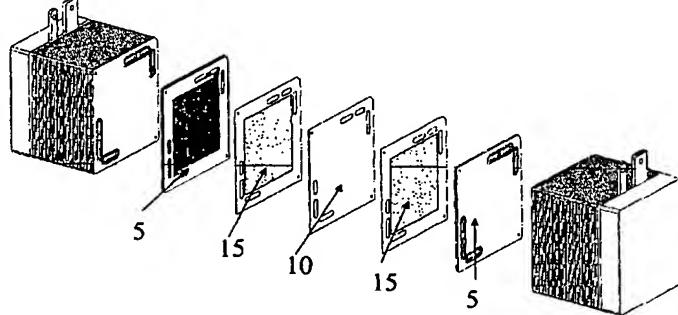
(54) Title: ELECTROCHEMICAL CELL COMPONENT

a



(57) Abstract: An electroconductive integrated substrate and a process of producing the same, which comprises a porous conductive gas diffusion layer (15) having large number of pores with significant gas permeability, and a gas impermeable electroconductive flow field plate (5) having landing surfaces laminated on the surface of gas diffusion layer and integrally bonded to thereto by the molten composite from the landing surface. There is provided a process for joining the gas diffusion layer to a flow field plate in an electrochemical cell. The process comprises the step of welding the landing surface of the flow field plate to the gas diffusion layer using resistance welding.

b



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PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

(84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,

(88) **Date of publication of the international search report:**
15 September 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/CA2004/000441

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01M8/02 B23K11/00 B23K20/00 B29C65/44 B29C65/64
 C09J5/06 C25B9/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01M B29C C09J C25B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 326 017 A (* MOTOROLA INC) 9 December 1998 (1998-12-09) page 5, line 15 - page 7, line 8 -----	1-12
X	US 5 733 678 A (LEDJEFF ET AL) 31 March 1998 (1998-03-31) column 1, line 58 - column 3, line 33 column 7, line 41 - column 9, line 8 -----	1-12
A	PATENT ABSTRACTS OF JAPAN vol. 012, no. 398 (C-538), 21 October 1988 (1988-10-21) & JP 63 140095 A (EBARA CORP; others: 01), 11 June 1988 (1988-06-11) abstract ----- -/-	1-12

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Patent family members are listed in annex.

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Date of the actual completion of the international search

18 April 2005

Date of mailing of the international search report

27/04/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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